



Basic Concept:

1. Scintillator is not redundant. The failure mode would be a light leak, which we must protect against.
2. Fibers, PMTs and their HV supplies are redundant.
3. All electronics are redundant. Plan to operate only one set of electronics at a time.
4. The PMT signals are cross-strapped at the point where they go to the electronics boards.

Two purposes to this cross-strapping scheme:

1. A PMT, HV, or fiber failure does not require the backup electronics to be activated.
2. The option is available to operate both PMTs and thus gain higher signal.

Wires from each ACDTEM to the towers are redundant.

1. Should the FPGA that does the “nearest neighbor” logic be the one on the TEM board?